

WHAT IS CLAIMED IS:

1. An expansion unit that is detachably capable to be connected to electronic apparatus having a first connector, comprising:

5 a second connector electrically connected to the first connector;

a third connector whose shape is equal to that of the first connector and which is connected to other electronic apparatus being different from the 10 electronic apparatus; and

a signal line which electrically connects the second connector and the third connector together.

2. The expansion unit according to claim 1, further comprising a fourth connector which is 15 electrically connected to the second connector and whose shape is different from that of the first connector.

3. The expansion unit according to claim 1, further comprising storage unit, which is electrically 20 connected to the second connector, for storing data to be processed by the electronic apparatus.

4. The expansion unit according to claim 2, which has a function of transferring display data to an external display device that is connected to 25 the expansion unit through the fourth connector.

5. The expansion unit according to claim 1, wherein the electronic apparatus has a first surface on

which the first connector is provided and the expansion unit has a second surface on which the second connector is provided, the second surface having substantially a same area as that of the first surface.

5 6. The expansion unit according to claim 1, which has substantially a same thickness measurement as that of the electronic apparatus.

10 7. The expansion unit according to claim 1, which has substantially a same width measurement as that of the electronic apparatus.

15 8. An electronic-apparatus system having an electronic apparatus and a first expansion unit detachably connected to the electronic apparatus,

15 the electronic apparatus comprising a first connector used for both data communications with other electronic apparatus and function expansion of the electronic apparatus, and

15 the first expansion unit comprising:

20 a second connector electrically connected to the first connector;

20 a third connector having a same shape as that of the first connector and being connectable to the other electronic apparatus; and

25 a first signal line which electrically connects the first connector and the second connector together.

25 9. The electronic-apparatus system according to claim 8, further comprising a second expansion unit

having

a fourth connector electrically connected to one of the first connector and the third connector;

5 a fifth connector having a same shape as that of the first connector and connectable to the electronic apparatus; and

a second signal line which electrically connects the fourth connector and the fifth connector together, and

10 the second expansion unit is selectively connectable to the first expansion unit and the electronic apparatus.

10. The electronic-apparatus system according to claim 8, further comprising a data synchronizing unit connected to other electronic apparatus and capable of synchronizing data, the data synchronizing unit being selectively connectable to the first connector and the third connector which connects the electronic apparatus and the first expansion unit.

20 11. The electronic-apparatus system according to claim 9, further comprising a data synchronizing unit connected to other electronic apparatus and capable of synchronizing data, the data synchronizing unit being selectively connectable to the first connector, the third connector which connects the electronic apparatus and the first expansion unit, and the fifth connector which connects the electronic apparatus, the first

expansion unit and the second expansion unit.

12. The electronic-apparatus system according to
claim 8, wherein the first expansion unit further
comprises a sixth connector whose shape differs from
5 that of the first connector.

13. The electronic-apparatus system according to
claim 8, wherein the first expansion unit further
comprises storage unit which stores information of the
electronic apparatus.

10 14. The electronic-apparatus system according to
claim 12, wherein the first expansion unit transfers
display data to an external display device through the
sixth connector.

15 15. The electronic-apparatus system according to
claim 8, wherein the electronic apparatus has a first
surface on which the first connector is provided and
the first expansion unit has a second surface on which
the second connector is provided, the first surface and
the second surface having substantially a same area.

20 16. The electronic-apparatus system according to
claim 8, wherein the electronic apparatus and the first
expansion unit have substantially a same thickness
measurement.

25 17. The electronic-apparatus system according to
claim 8, wherein the electronic apparatus and the first
expansion unit have substantially a same width
measurement.

18. The electronic-apparatus system according to
claim 9, wherein the electronic apparatus has a first
surface on which the first connector is provided and
the first expansion unit has a second surface on which
5 the second connector is provided and a fourth surface
on which the fourth connector is provided, the first
surface, the second surface, the third surface and the
fourth surface having substantially a same area.